

Converting Colors

XYZ(68.9397, 48.2781, 99.7778)

Have a look what the booklet for
XYZ(68.9397, 48.2781, 99.7778)
contains.

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Color

**XYZ(68.7357, 48.1731,
99.4415)**

Conversions

Conversions Part 1

Format	Color
Hex	FE90FE
RGB	254, 144, 254
RGB Percent	100%, 56%, 100%
CMY	0.0039, 0.4353, 0.0039
CMYK	0.00, 0.43, 0.00, 0.00
HSL	300°, 98%, 78%
HSV	300°, 43%, 100%
XYZ	68.7357, 48.1731, 99.4415
YIQ	189.4300, 30.2500, 57.5300

Conversions

Conversions Part 2

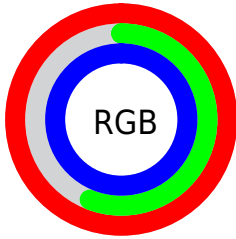
Format	Color
R_{YB}	254, 144, 254
Decimal	16683262
CIE _{Lab}	74.93, 56.84, -37.26
CIE _{LCh}	75, 67.966, 326.754
Yxy	48.1731, 0.3177, 0.2227
Android (android.graphics.Color)	4294873342 (0xFFFE90FE)
YUV	189.4300, 31.8330, 56.6279
Hunter-Lab	69.4068, 55.3120, -36.3620

Details

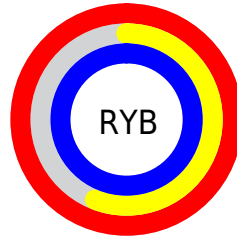
The XYZ color **68.7357, 48.1731, 99.4415** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **51.9795, 78.8283, 38.8640**, and the grayscale version is **48.4287, 50.9507, 55.4854**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **36.1561, 22.7781, 55.3143** is the 20% darker color. If you saturate the color by 10%, you get **65.3131, 41.3269, 98.3010**, and if you desaturate by 10%, it is **73.0268, 56.7542, 100.8725**.

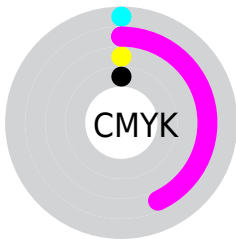
Distribution



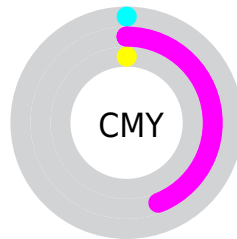
- Red (100%)
- Green (56%)
- Blue (100%)



- Red (100%)
- Yellow (56%)
- Blue (100%)



- Cyan (0%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7357, 48.1731, 99.4415 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.7357, 48.1731, 99.4415 by changing the saturation by 10% instead.


 68.7357, 48.1731,
99.4415


 68.7357, 48.1731,
99.4415


445.4342,
379.4778, 579.6320

 50.7724, 33.9640,
75.2199


 116.4401, 87.4621,
162.4346

 36.2478, 22.8659,
55.2903


 146.9119,
113.3107, 202.0433

 24.7966, 14.4945,
39.2340


182.2839,
143.8080, 247.6180

 16.0535, 8.4654,
26.6326

222.9215,
179.3383, 299.5774

 9.6531, 4.3942,
17.0675

269.1899,
220.2861, 358.3399

 5.2301, 1.8964,
10.1201

321.4546,

 2.4190, 0.5462,

267.0357, 424.3241

5.3720

380.0809,
319.9714, 497.9487

■ 0.8546, 0.0000,
2.4046

■ 0.0000, 0.0000,
0.7890

■ 68.7357, 48.1731,
99.4415

■ 68.7357, 48.1731,
99.4415

■ 65.3131, 41.3269,
98.3010

■ 73.0268, 56.7542,
100.8725

■ 62.6955, 36.0918,
97.4283

■ 78.2350, 67.1704,
102.6087

■ 60.8185, 32.3377,
96.8024

■ 84.4107, 79.5218,
104.6674

■ 59.6055, 29.9117,
96.3979

■ 91.5995, 93.8994,
107.0639

■ 58.9636, 28.6279,
96.1838

94.5233, 99.7470,
108.0386

■ 58.7630, 28.2269,
96.1169

94.5234, 99.7470,
108.0388

94.5234, 99.7470,
108.0390

94.5234, 99.7471,
108.0391

94.5235, 99.7471,
108.0393

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.3682, 48.1731, 139.9852



68.7357, 48.1731, 99.4415



73.9220, 48.1731, 56.4100

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7357, 48.1731, 99.4415



47.1489, 48.1731, 9.5710



27.6416, 48.1731, 89.5427

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



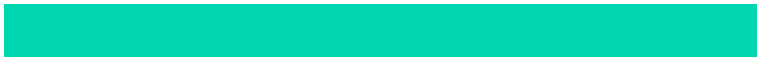
68.7357, 48.1731, 99.4415



51.9795, 78.8283, 38.8640

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.8861, 48.1731, 48.6842



68.7357, 48.1731, 99.4415



35.8800, 48.1731, 12.0767

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



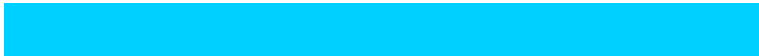
68.7357, 48.1731, 99.4415



60.1258, 48.1731, 13.5863



28.6161, 48.1731, 23.2387



33.9310, 48.1731, 132.6851

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



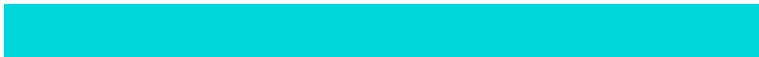
68.7357, 48.1731, 99.4415



72.5911, 48.1731, 35.1431



28.6161, 48.1731, 23.2387



26.5570, 48.1731, 74.6762

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.7373, 48.1752, 99.4425



85.3714, 80.6429, 105.6736



39.3664, 33.0340, 98.0687



17.9586, 16.6321, 22.5137



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7373, 48.1752, 99.4425



66.2986, 42.4974, 99.3154



61.1570, 45.1431, 59.5253



18.7928, 18.3004, 22.7918



30.9801, 14.8813, 50.6733



3.0164, 1.4489, 4.9339

Inverse Universe

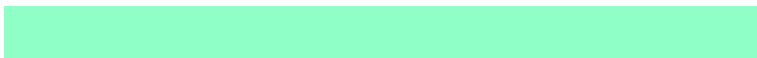
The Inverse Universe completely reimagines the original color for something new.



68.7373, 48.1752, 99.4425



66.2986, 42.4974, 99.3154



57.2542, 80.9382, 66.6401



18.7928, 18.3004, 22.7918



30.9801, 14.8813, 50.6733



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 68.7357, 48.1731, 99.4415 looks on a white background.

Color Contrast Check

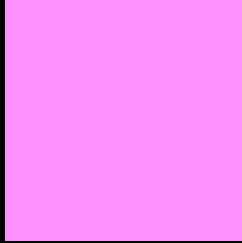
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.7357, 48.1731, 99.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

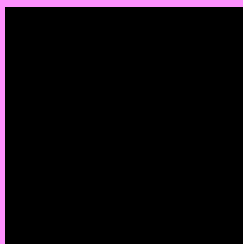
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7357, 48.1731, 99.4415

Background



This preview shows how black text looks on a background with the XYZ color 68.7357, 48.1731, 99.4415.



This preview shows how white text looks on a background with the XYZ color 68.7357, 48.1731,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.7357, 48.1731, 99.4415

Protanopia

49.8838, 48.7684, 101.3918

Deuteranopia

49.6649, 48.4961, 94.7388



Tritanopia

57.8685, 48.1298, 46.2844

Trichromacy



Original Color

68.7357, 48.1731, 99.4415



Protanomaly

54.7436, 47.1980, 100.8326



Deuteranomaly

54.8111, 47.0495, 96.6351

Tritanomaly

61.2122, 47.7109, 62.4828

Monochromacy



Original Color

68.7357, 48.1731, 99.4415



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

54.3944, 48.8374, 69.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7357, 48.1731, 99.4415 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(254, 144, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 144, 254)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(254, 144, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 144, 254) }
```

Border

The CSS property to change the border of an element to XYZ 68.7357, 48.1731, 99.4415 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(254, 144, 254) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(254, 144, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(254, 144, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 144, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 144, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 144,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7357, 48.1731, 99.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 144, 254) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(254,  
144, 254) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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